The Calumet BOILERMAKER

Volume 2, Number 1 | PURDUE CALUMET CENTER, HAMMOND, INDIANA | Friday, October 8, 1954

Freshmen Get Help At Orientation Program, Take Series of Tests

To help a large group of bewildered Freshmen prepare themselves for the future as members of Purdue's student group, a carefully planned orientation schedule was presented to the students starting Friday, Sept. 17.

On the Monday following the weekend of orientation tests, the "freshies" assembled for the continuation of the orientation program. The meeting was directed by Dr. L. Winston Cone who explained the purpose and plan of orientation. Mr. Millard E. Gyte, who spoke some sincere words of welcome, was followed by Mr. Paul T. Meier who gave the group some general information about the Center.

The honor of introducing the various faculty sponsors was the privilege of Dr. Carl Elliott. An interesting and informative talk "The University and You" was given by Dr. Cone.

After a resume pertaining to the organization of Purdue University by Dr. Elliot and a short talk about Purdue's rules, regulations, and traditions by Prof. Harold A. Williamson, the entire group had lunch in the Center lounge.

After lunch, students met in informal sessions with faculty advisors and sponsors of student activities, and held group meetings to be advised as to reading and study techniques.

Monday evening provided the setting for Parent's night at the Center. This evening program consisted of brief talks by members of the Calumet Center faculty and several persons representing the Lafayette Campus.

Guided tours of the Center, including the new Research Building, followed the formal program. The evening was climaxed by coffee and doughnuts served by the Student Senate.

Psychometrist Is Added to Center Faculty

This year the Purdue Calumet Center has the honor of welcoming Miss Ann Vermillion, an accomplished psychometrist, who spent her college years at Purdue and finished in June, 1954, receiving her Master's Degree in psychology.

A graduate of Mary Barnham high school in North Hampton, Massachusetts; Miss Vermillion now resides in Chicago.

Included under her title of Psychometrist is vocational guidance and educational guidance service. For the first time the Purdue Calumet Center is offering this service of aptitude testing and various other types of testing to help the individual find his or her place in life.

Anyone carrying 12 hours or more can take advantage of this service free of charge, whether it is counseling or testing. Prior to this year the nearest place offering such services was located in Chicago.

Age is no barrier when it comes to taking advantage of this new department which is under the direction of Dr. Smith and Dr. Elliot and under the auspices of Miss Ann Vermillion.

Students interested in helping themselves should visit room 30 in the new building and find out what can be done to give them scientific information about themselves, their aptitudes and their abilities.

No parking is allowed on Porter School property to the east of the building, on the lawns or sidewalks, in or around the loading ramp at the rear of the building.

View of new Industrial Research Institute as seen from Woodmar Avenue and 173rd Street, in Hammond.

Chemistry Dept. Expands to Meet Area Needs, Announce New Staff Members, Courses

The Chemistry Department here at Calumet Center is expanding and improving its facilities in order to balance the increasing number of students. In this process of expansion, the effectiveness of each of the various courses is being improved.

A bulletin board has been placed along the second floor wall. Notices of important engineering and chemical meetings will occupy part of the board.

Items which pertain to the topics being studied in the various courses will be posted from time to time. Articles which explain some of the latest discoveries in the field will be presented. At the present time a treatise on man-made fibers occupies this space. Various properties and advantages of orlon, dacron, and rayon are explained.

Room 207 has been converted from a store room to a preparation laboratory. The apparatus and solutions used for lectures and laboratory work will be prepared there. The organic chemistry lab is now located in room 205. This room will serve as the advanced chemistry laboratory for both College and Technical Institute students. Room 207 has now been scheduled to serve as a second laboratory for first year students. This rearrangement makes it possible to handle the increased number of freshman students.

During the summer several of the large chemical firms such as

(Continued on Page Three)

Purdue Center Shows Large Increase

Enrollment at the Calumet Center has exceeded all expectations this fall, both in the college credit and technical institute programs. Five hundred and five students, 60 per cent of which are full-time students, have enrolled in the college credit program. Over 670, including 39 practical nursing students, have enrolled in the Technical Institute classes.

Industrial classes have contributed approximately 500 students to the total enrollment, and still more are expected. This year there are 70 special students who are here for one or more classes and who are not working toward a diploma or degree at present.

Nurse Course Offered To Avert Shortage

Here in the Calumet Region, there is a definite shortage of registered nurses. To counteract this shortage, there has been a practical nursing course initiated at the Calumet Extension of Purdue University.

This course has as its goal an increase in the number of persons trained in the field of nursing who are capable of stepping into vital positions wherever they are needed.

To accomplish this goal, five rooms are devoted to the nursing course exclusively.

In one room, lectures and demonstrations are given in the nursing arts.

The nursing arts laboratory contains a ten-bed ward where the students alternate in the role of nurse and patient.

In the kitchen laboratory, there are four complete units consisting of complete kitchens equipped with modern appliances. In the event the nurse is sent to a home in which the mother is the patient, she must be qualified to prepare meals for the family and also any special dishes the patient may require.

Approximately 50 per cent of the students have been employed as nurse's aids.

The students attend school at Purdue for 16 weeks, and then go to a hospital for 36 weeks of additional training. Here they work with actual patients.

Technical Institute Alumni Boasts 300 Members

The Technical Alumni Association was started in response to student request. The only qualification for membership is graduation from the Purdue Technical Institute. The Association consists of approximately 300 graduates from this vicinity. The advisors are Mr. Rapal, Dr. Cone, and Professor Williamson.

Two meetings have been held and temporary officers were elected. They are as follows: president, Tom Ruebendunst; vice president, Leo Bednarczk; secretary and treasurer, Gene Barker. A committee was also appointed to write a constitution. They are Carl Long, Gene Barker, and Wallace Weiert.

The purpose of this association is to promote good relationships among the Technical Institute graduates of Purdue. Future plans include three annual functions: a social gathering for members, a technical talk by a man in industry, and a graduate-alumni dinner. Formerly the plans for the dinner were made by faculty members, but this function now has been turned over to the alumni group.

The dinner this year will be given by last year's graduates for this year's class. The committee for the dinner includes Clarence Leland, chairman; Ed Gottschling; and Wallace Weiert.

Parking Areas Are Outlined for Motorists

Parking regulations this year have been changed to include space for the many new full and part-time faculty members as well as the personnel of the Inland Steel Purdue Research Institute.

Space for students and participants in meetings has been provided in the long lot to the north of the building and diagonally on the south side and parallel on the north side of 171st Street.

The reserved areas in front of the building are for full-time and part-time staff members only, while the parking lot in front of the new building is reserved for the staff of the Purdue Research Institute.

Three Faculty Members Work On Chest Drive

Three full-time faculty members of the Purdue Calumet Center are lending much help to the Hammond-Calumet City Community Chest this fall.

Merle Schmid, instructor in Plant Layout and Industrial Technology, is the general chairman for the entire drive, which in itself is a full-scale job requiring detailed and extensive planning as well as considerable managing. This work has taken him months of devoted service to a large community project.

John Lindley, instructor in Building Construction, has had the unique and, also, time-consuming job of making a colored sound movie depicting the activities of those benefiting from the Community Chest.

In the film the children are shown in their actual participation in some of the representative functions of the several agencies. Those pictured include the Bethany Children's Home, The Boy and Girl Scouts, the YWCA, Brooks House, the Salvation Army, the Carmelite Home for Boys, the Fresh Air Camp, the Catholic Charities, Calumet City and Hammond General Relief, the Calumet City Health Center, and the Goodwill Industries.

Over 400 hours of exciting and exacting work were required in the taking of the pictures and in completing the film. Mr. Schmid and Mr. Lindley were on television to present the film on a scheduled program. The script was read by Mr. Lindley.

The third member of the faculty to work for the Red Feather Campaign was Miss Sigrid Stark, English instructor and one of The Boilermaker's advisers, who had the assignment of visiting all of the Community Chest Agencies. Each visit included a discussion with the director and a first-hand view of the living or working quarters of those being helped by the Community Chest Fund.

By seeing the children in Bethany and Carmelite Homes, Brooks House, and noting their attitudes and those of the leaders, Miss Stark was able to get a volunteer's impression of the children and of those in charge. Taking notes, copying statistics, and noting items of interest in seeing the children, gave her a basis for the articles she wrote for The Hammond Times.

These three faculty members who gave their time without any thought of remuneration, all have expressed the idea that in spite of the time consumed, the whole effort was entirely worthwhile. Seeing how much good was being done for others through the Community Chest and realizing the appreciation of those receiving the aid was reward enough. They all expressed their pleasure in having met many unselfish people devoted to a very urgent cause—that of the Community Chest.

NAVY GRANTS FUNDS

The Office of Naval Research has granted additional funds for continuation of a program that was begun in 1949 by Dr. Eugene Lieber of Calumet Center.

Dr. Lieber will get the additional grant for work through January, 1956. He is endeavoring to determine why nitrogen, unlike carbon, shows little tendency to form chain-like compounds.

Dr. Tai Siang Chao, post doctorate in chemistry, is assisting Dr. Lieber in the project, and additional personnel will be added to the experiment during the semester.

The Calumet BOILERMAKER

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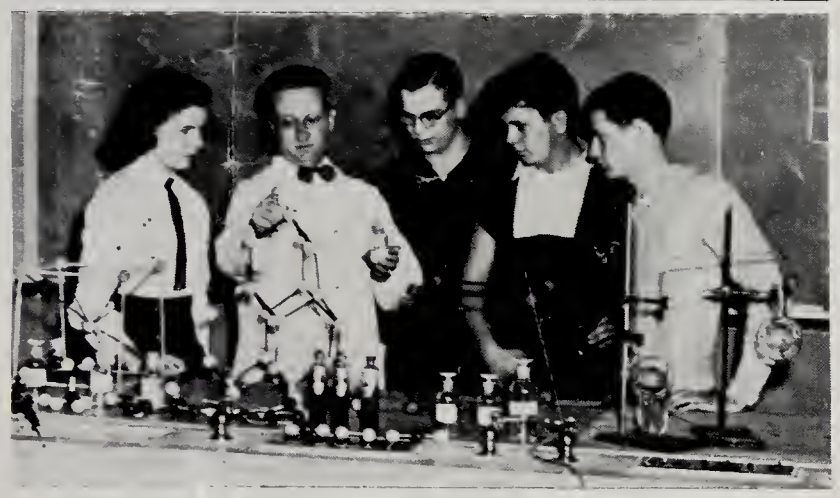
Yours for a Most Successful Year

Late last spring a young member of the Calumet Campus activities' family, "The Calumet Boilermaker," was successfully established. Since that time the staff, with the exception of some contributors, has been almost completely reorganized because of the transfer of most of the staff to the Lafayette campus.

This year's staff will continue in an effort to provide for the students, faculty, and community a newspaper that will reflect the spirit and purpose of the Calumet Center as well as act as the source of information necessary in making the entire student activities program a success.

"The Calumet Boilermaker" is new, and this year's staff is new, but I am sure that both will continue to merit the same high regard received by the first issue. We wish to express sincere appreciation for the many congratulatory letters that were received and to thank the many contributors, both new and experienced, who have helped in the first issue of this semester and who, I am confident, will do their best to bring this year's "Calumet Boilermaker" the success it strives to attain.



Dr. Lieber demonstrates molecular structure to student group. (See P. 4)

Around The Lounge

ANSWERS TO NEXT WEEK'S EXAMS

Physics—

Q. According to the displacement principle, what happens when a body is immersed in water?

A. The telephone rings.

—o—

History—

Q. In which battle did Gen. Wolfe say "I die happy when told the enemy are retreating?"

A. His last one.

—o—

English—

Q. Use notwithstanding in a sentence.

A. I wore out my levis, but notwithstanding.

—o—

College Bred—

Four-year loaf—flour of youth—old man's dough.

—o—

World comes to end in 50 million years—Oh, I thot you said 15 million.

—o—

Not doing too hot in class—

Marks under water—below C level.

—o—

When Noah sailed the waters blue, he had his troubles same as you. For 40 days he drove his ark before he found a place to park.

Daffynitions

Pedestrian—man with a wife, son, and one car.

Remember: Those who live it up too much, often must live it down.

Navy Fliers to Visit Calumet Campus

For the benefit of all who are interested in the field of aviation, a team of representatives from the Naval Aviation Cadet program will be here in the student lounge to answer questions Tuesday, October 26, from 9:30 a.m. through the afternoon.

All students are invited to discuss their interests or problems with the team members while they are here.

Hammond Police officers will be on hand to assist in parking in the right areas. Co-operation of those parking at the Center will be appreciated.

Those with practice as a nurse's aid will receive a state license as a practical nurse. A registry similar to that used for registered nurses, handles the dispatching of practical nurses when a call is received.

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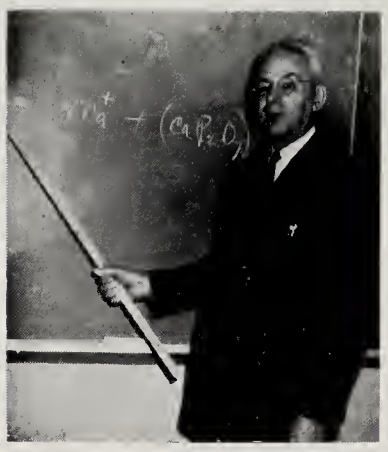

Frank Schlosser, Assistant Professor of Physical Science in the Technical Institute, is celebrating his fortieth year in the teaching professsion. He received his education at the University of Wisconsin, with a degree of PhM.

Mr. Schlosser is qualified in several fields of study and is known among his colleagues as Jack-of-all trades. He is a member of several professional societies which include the American Chemical Society, American Association for Engineering Education, American Association of University Professors, American Association for the Advancement of Science, Phi Delta Kappa, and a life membership in the National Education Association. In the American Association of Metals, Mr. Schlosser is chairman of the local committee on education.

During World War I he worked with Dr. Watson of the University of Wisconsin in developing a radio tube.

He has done much work on explosives, working for the U. S. Rubber—Ammunition Department. During World War II, his work in the field of biology was very successful; he compounded a new drug (D.M.T.S.) which destroys fungus growth. It has been used extensively in hospitals for athlete's foot.

While doing consulting at Inland Steel, he developed an anti-rust inhibitor (N.Z.X.) which cuts down costs due to corrosion. Of his forty years in teaching, he has spent the last eight years at the Purdue Calumet Extension.

Mr. Schlosser is now writing a textbook and a laboratory manual of general chemistry.

Chemistry Dept. . .

(Continued from Page 1)

Du Pont, Dow Chemical, Union Carbide, and many others, donated various types of demonstration material to the Center. These materials range from photos and charts to actual samples of materials used in various industrial processes. These will be posted on the bulletin board and used in lectures.

The department has also acquired a sample of pure Uranium, a number of cathode ray tubes, a geiger counter, and many other instruments which will serve to make demonstrations more effective.

Intramural Activities Stress School-wide Program

The aim of the intramural program at the Calumet Center is to provide facilities and adequate administration through which the student can satisfy his natural desire to engage in sports and to get needed recreation. This program has not been designed particularly to harden the student, but to develop and maintain his health.

The basis for this trend develops from the general policy which provides competition for the students within the school and is not concerned with the specialized teams that compete in intercollegiate programs.

The teams represent units or divisions within the school; not the school as a whole. Sports other than those for which varsity teams are organized are included. Objections, such as development of loyalty, sacrificing personal interest for those of the groups, and the desire to continue physical activities, are present.

There are no specialized team coaches, but a student leader. The stress is on playing the game; not on winning. Officiating is done mostly by the students.

Students in the School of Science are well acquainted with English 185, Developmental Course. This course attempts to and actually does double a student's reading speed while holding his comprehension at the same or improved level. ..

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Three-Man Committee Supervises Library Work

This year the library is under new supervision. The three-man faculty committee consists of Dr. John Tuckey, Mr. Mark Anderson and Mr. Charles Rhodes.

One of the new features this year is the audio-visual equipment and services department under the direction of Mr. Rhodes. The equipment of this department includes movie projectors, a growing film library, tape recorders, and viewing devices.

Mr. Anderson is in charge of book circulation and the addition of new books. The chairman of the committee, Dr. Tuckey, takes care of book orders and library correspondences. He also keeps in touch with the Purdue Lafayette Campus library regarding their policy.

Many of the additions to the library are in the technical field, and have been picked to fill the students' needs. The Hammond Public Library is co-operating generously to give more books on general reading and fiction. Also one will find in the library a representative list of periodicals for his educational enlightment and for enjoyment.

The library staff wishes to extend an invitation to all students to use the library.

There are some regulations for use which were established to make the library service beneficial to all students. Reference books are to be used only in the library. Circulating books may be taken out for a two-week period.

The student parking lot has been enlarged this summer, but space is still limited.

Announce New Chemistry Course, For Graduate and Undergraduate Credit

Dr. Eugene Lieber, Head of the Chemistry Department at Calumet Campus, announces that with the opening of the new academic year, a dual level course in organic chemistry, CHM 551, will be offered. A dual level course offers both undergraduate credit and graduate credit in certain major fields of graduate specialization.

At present, CHM 551 will offer graduate credit to graduate students majoring in biology. The course may also be taken by any properly qualified undergraduate student needing credit in organic chemistry.

Two full semesters work is required for complete credit. The new course in general chemistry, CHM 109-110, combines both general chemistry and qualitative analysis and is designed for students entering the fields of pre-pharmacy, pre-medicine, pre-nursing, pre-dentistry, pre-medical technology, and freshman science.

The Chemistry Department at Calumet Campus offers both University and Technical Institute credit courses and future plans call for its expansion into the field of physical chemistry for the 1955-56 academic year. Assisting Dr. Lieber in the work of the department are Professors Harold Bedient, Frank Schlosser, and Robert Nagler.

Mr. William Gross has been added to the full-time staff as a laboratory technician and will be in charge of chemistry stores. A very well qualified group of part-time instructors will also aid in the evening program of the department. They are Drs. Richard H. Leet, John A. Ferry, Delbert Meyer, Eugene H. Clower and Mr. Edward Gustley, who are research chemists at the Standard Oil Laboratories at Whiting, and Dr. Fred Morritz, who is a research chemist at the Sinclair Laboratories at Harvey, Mr. Thomas J. Fitzpatrick, who is in charge of processing at Du Pont, and Mr. Douglas Wilson who is chief chemist at the East Chicago Du Pont works.

Mr. William Gross is now a permanent member of the staff. He received his Bachelor of Science in Chemistry at Roosevelt College. He will be in charge of the store room facilities and assist the staff members in the laboratory and lecture demonstrations. The full-time staff includes Doctors Bedient, Lieber, Nagler and Prof. Schlosser.

Special Dance Class Offered at Center

An eight-hour course in social dancing is to be offered for a select group of 20 students only, for a special rate of $16 each. Hours will be arranged to suit the group; the group will decide which dances will be learned. The waltz, fox trot, rhumba, and jitterbug are among the dances offered.

The classes will be held either at the new Hammond Arthur Murray Studio or at the Calumet Center, but the group will be limited to the first 10 men and women to enroll.

If you are interested in this special offer, let Mrs. L. W. Cone or Jackie Jagiel know at once.

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